DNA and RNA-SIP reveal Nitrospira spp. as key drivers of nitrification in groundwater-fed biofilters

Arda Gülay^{1,4}*, Jane Fowler¹, Karolina Tatari¹, Bo Thamdrup³, Hans-Jørgen Albrechtsen¹, Waleed Abu Al-Soud², Søren J. Sørensen² and Barth F. Smets¹*

Supplementary Figure 8

¹ Department of Environmental Engineering, Technical University of Denmark, Building 113, Miljøvej, 2800 Kgs Lyngby, Denmark. **Phone:** +45 45251600. **FAX:** +45 45932850. **e-mail:** argl@env.dtu.dk, jfow@ env.dtu.dk, hana@env.dtu.dk, <u>bfsm@env.dtu.dk*</u>

² Department of Biology, University of Copenhagen, Universitetsparken 15, Building 1, 2100 Copenhagen, Denmark. **Phone:** +45 35323710. **FAX:** +45 35322128. **e-mail:** w.abualsoud@bio.ku.dk, sjs@bio.ku.dk

³ Nordic Center for Earth Evolution, Department of Biology, University of Southern Denmark, Campusvej 55, 5230 Odense, Denmark. **Phone:** +45 35323710. **FAX:** +45 35322128. **e-mail:** bot@biology.sdu.dk

⁴ Department of Organismic and Evolutionary Biology, Harvard University, Cambridge, MA, United States, 26 Oxford St, Cambridge, MA 02138, **Phone:** +1 (617)4951564. **e-mail:** ardagulay@fas.harvard.edu

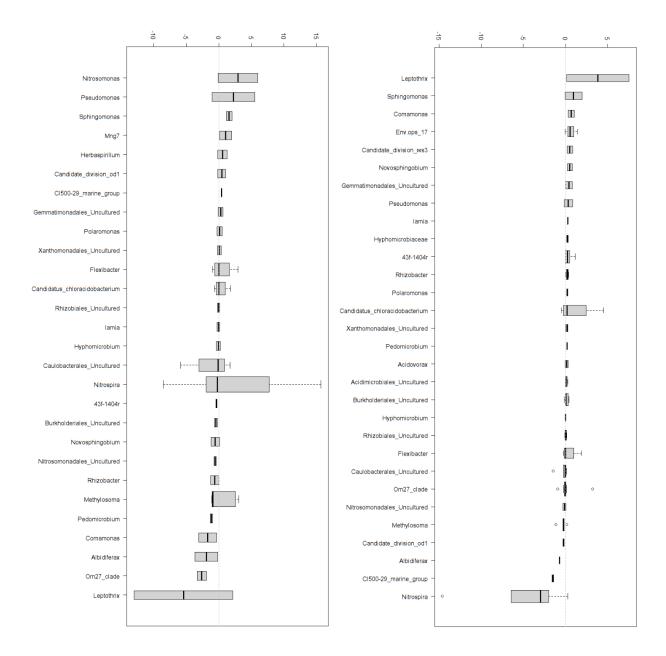


Figure S8 A Relative abundance shifts in 16S rDNA (left) and 16S rRNA (right) (in %) of the most dominant genera between day 0 and day 15 in columns 1 and 2.

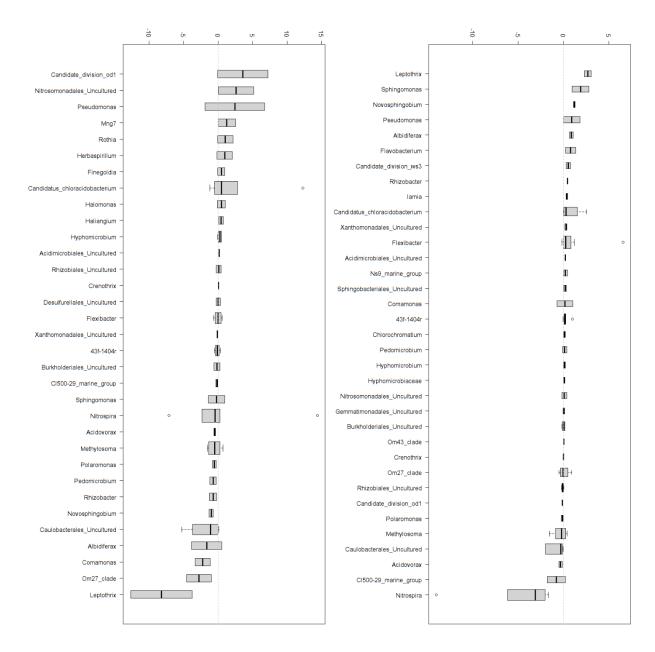


Figure S8 B Relative abundance shifts in 16S rDNA (left) and 16S rRNA (right) (in %) of the most dominant genera between day 0 and day 15 in columns 3 and 4.

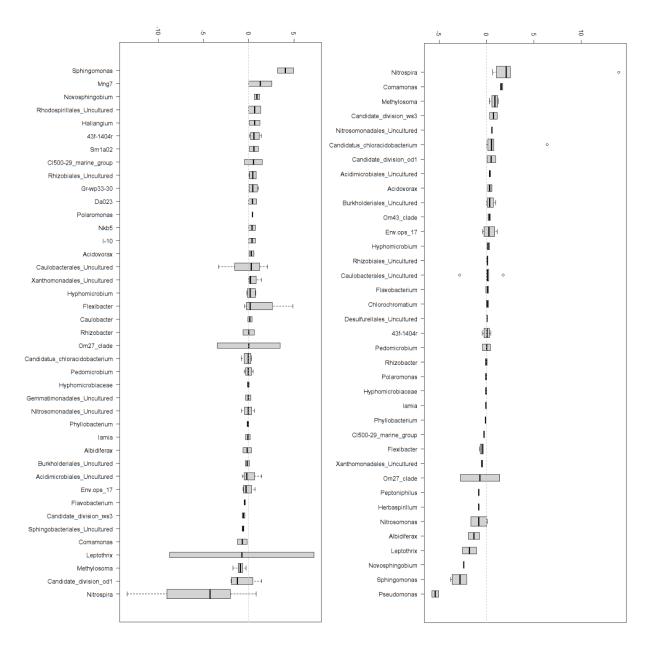


Figure S8 C Relative abundance shifts in 16S rDNA (left) and 16S rRNA (right) (in %) of the most dominant genera between day 0 and day 15 in columns 5 and 6.

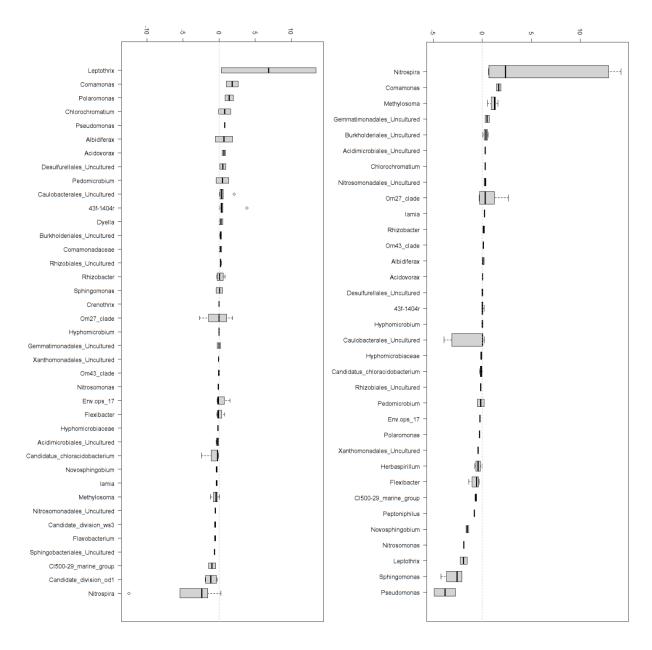


Figure S8 D Relative abundance shifts in 16S rDNA (left) and 16S rRNA (right) (in %) of the most dominant genera between day 0 and day 15 in columns 7 and 8